

in Pro		4	18. 7	rînê Agerey		13:177				Terms.	N 1971	4								3	V. 10	位为此		7 y 2		1	×	4	, m
MEMORY EXTENSION R28					MULTI FIEED CONTROL				MEMORY MTS U29					MEMORY MIS (2ND AK)				,	MEMORY MIS (1ST 4X) W29										
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		+ 7	XEND1 -			GMOGT	-	526-01	-	- GM29/2	10 526-02		TH		2	AB	d-transmission and in the second	1	MS12	• (1882)	李	MARKE	(w)	1	HS##+	[1841]	2	14998	[1792]
3 1	HO1 TO #22 OF	4	NB ND 1	10 22	1,	PSVØ3	-	526-93	4		10 526-84	3	TH-	[1984]	A	AG	The Continue of the Continue o	3	1		1 19	Maries	[1782]	3			4	Annual Contraction of the last	[18A2]
-		-	Agg.	[1844]	5	EXTK*		(9A2)	6	INDFF	(683)	5	MCIH+	[884]	6	Ap		S	MS13	[18A2]	6	MB13	[18A3]	5	4501 *	[1BA1]	6		[17A2]
	12* [1881]	- 1 - 0	Ag1 -	[1844]	1,	EXT 99	1 1944 . · · ·	(1481)	8	IMB	[1782]	1	WEATEZ		8	1 49		7			8	M/H8	[1702]	7			8	-MB Ø1	[1842]
	512* [18A2] 591* [18A1]	10		[1844]	9	EX191*		(1481)	10		[1783]	9	INHIB	,	10	Ag		9	M514	[18A2]	10	M814	- [18A3]	9	MS#2*	[18A1]	10	MØZB	[17A2]
11 HS	Tronii		A93*	[1884]		EXTE2*		(14A1)	12		117841	111	INHIB		12	Ag	[1884]	11	-		12	MØ28	[1742]	11			12	M8 Ø2	[18A2]
	(18A1)	TA	AB4"	[1884]	13		,	(14A1)	-	1MD+	[782]	13			1.4	Ag	11884].	13	HS15	[1802]	14	M815	[18A3]	13	MS93*	[18A1]	14	MESB	[1742]
-	14. [1802]	16	APS.	(1884)	15	EXTES*		(1581)	16		[782]	15	MCIR.	[884]	16	Δ1	10.	15		Uscal	1.16	M938	[1742]	15			16	MB@3	[18A2]
-	(1841)	18	A86.	[1884]	17	EXTRS.		(1581)	18		[5A2]	17	-		18	-	11" [1884]	-	MS16	[1882]	18	MB16	[18A3]	17	MS#4*	[18A1]	-	-	[1783]
17 MS			AG7*	(1844)	19	EXTO6.		(15A1)		PU18	[5A2]	19	R/R		20	-	96* [1834]	19	-		20	M948	[1783]	19		1,42,4	20	MP 04	f18521
21 HS				[184]	21	EXT97*		(15A1)		EP1	[584]	21	RGATE	1	22	AS		21	MS17	[1842]	22	M817	[18A3]	21	MS@5*	[1841]	22	MØ58	[17A3]
23 4	-	24		[1894]	23	EXTRO»		(1681)	_	1	[584]	23	-		24	-	78* [1844]	3,	-	1,0-21	124	MSI	[1783]	23		110411	24		[18A2]
13 Te		And the state of the last of t	APPA	[1884]	25	EXTEN	Mar.	(1681)	4,5	EP#	[544]	25			26	-	1.0.07	25		[1882]	7,	THE RESERVE OF THE PARTY OF THE	[17A3]	25	MS#6*	[1881]	-	The state of the s	[1882
27 M	the same of the sa		A11*	[]884[27	EXTIP.		(16A1)	28		[384]	27	NEAD.		28	1	*	27		· · · · · · · · · · · · · · · · · · ·	28	Wars	[18A3].	27			28		11783
29 M			Made	[1782]	29	EX111*	N S	(1641)		-	[1484]	29	1		30	 			MS19	• (1882)	3.0	MB19	[1893]	29	 	[1881]		-	[1743]
31 M			METE	[1702]	31	A99*		110441	_		[1484]	31		 	32	1		31	-		32	M678	[1743]	31		119911	32	1	[1892]
			M828		33	Agg •	-	A STATE OF		DUT 02"	[1464]	33	-		34			. 33	-	1882	34	MOSS	[1784]	33	M598*	[] 881]		77	[1882]
33 M		-	MESS	[17A2]	35	A92*	-	118441		+purgi-		35	1		36	+		35	-		36	M820	[1883]	35			17	Ираз	[1784]
17 14	and the same of th	7 -02	PØ4B	[1783]	37	A92*		[1884]	1			37	-		38	1	***	37	· ·	• [1882]	120	MB21	[1883]	37	M5Ø9*	[1881]	38		(1784)
39 H			11958	[1783].	39	Aga -	******			OUT #4		39	+		40	+-		39		1,0021	40	MPSA	[1744]	39		1.00	40		[1882]
-			MULB		-	605	-	[1884]	_	1,01726		100			. 92	-		41	1	• [1882]	92	M189	[1744]	41	1	[1881]		MB19	[1902]
41 A			MØ78	117411 (1743)	43	A86.		118441	44			43	1		44			43	-	110021	14A		[1883]	43	200	. 110011	da.	MIGB	11711
45 M			MEBB	[1784]	45	A87*		[1844]	46	1	[1684]	45	 		46	+		45		• [1882]	A6	MB23	[1883]	45	#S11*	[1681]		M11B	[1744
47 P			Mg 98	[1784]	47	Age.		[1BA4]	48		[1684]	47	+		AB	+		47		[1082]	48	M118	[1784]	47		11001	48	M611 .	[1882]
49 M			M108	[1744]	49	A@9*			50	-	[1684]	49	-		5.0				ADDF	1* (17A1)	50	F		100	AODF1*	(17A1)	170		1.000
51 M	The state of the s		M11B		51	A18*		[1864]	52			51	_		52	1	· · · · · · · · · · · · · · · · · · ·		4DDF		52		* * * * * * * * * * * * * * * * * * * *	51	-	1.72.7	152		
			actuk.	117441	-	A11*	- A	[1884]	+	-		53			54	-		******	INHT		54	STROBE		53			54	STROBE	
53 A		-	MELRX		55		***************************************	(14AZ)	-	-	[A82]	-	GND	TO M24-98	56	-	47	55		TO M21-98	56		TO M25-98	55	6410	TO M24-46	-	GND TO	0 425-98
55 A			M612			JPSME 1			-	-		157	_	10 724-90	58	1	***			10 521 58	58	+SV		57		10 124 80	50	+5V	
5.7 M		-	1/813	-{12A3}	-	INTHER		(14A2)	-	EPG :	[584]	59			60	-	<u> </u>	- 57 59			60	-v		59	+		60		
59 M		62	A STATE OF THE PARTY OF THE PAR	f18A3-1	-	INTHE		(1582)	62		[1944]	-			150	-		.,2			100			1.37			100		
	146721	-	**814 **515	[1853]	100	FLMEN			134	+		1			. 7 .		÷				. 1 ,			. 1	o re	· 10 · 55			
65 M	(av) (18A2) (av) (18A2)	66	M816	115A3. [18A3]	65	BP1		33841	66	-	14231	1																	
		-	MB17	[18A3]	67	-		(16A2)	68		(883)	1																	• 3
67 4		70	M817		69	MEB MET			70	ADDF 0		1																	
69 5			M819	[1883]	71	 	·····	(16A2)	72			-																	
21 1		72	+	[1867]	73	DIN*		(6B3)	74		(883)	- 1																	
72.		74	MB20	[1881]	-			117821	76	SMF @*	(244)	1																	
	MSR9 [1AH2]	76	MB21	118831	75	HLT		[382]			(244)	\dashv																	
27.	esig [1882]	7B,	MB22	[1883]	-11	I118*		[1783]	. L	875*		4																	

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THE. THE FROFRIETARY RIGHTS TO THE FIG. SAID INSTORMATION BOTH OF A PATENTABLE AND UNFATENTABLE NATIONAL ARE EXPECTED. S - THE FOLLOWING SYMBOLS/NOTATIONS ARE USED ON THE DIAGRAM AND/OR PRINTED CIRCUIT BOARD ASSEMBLY. -- CONNECTOR

1 - ALL DIODES ARE G964 OR EQUIVALENT, EXCEPT AS NOTEO.

2 - ALL RESISTORS ARE 1/AH, ±5%, EXCEPT AS NOTED.

80

62

84

118821

85 XGND2 TO M25-B

B

MB 23

80 PWR

EPRDY.

86 XGND2 TO M25-B

[1863]

[19A4]

(3B1)

83 P5V83 TO

85 GNDB5 10

Q - TRANSISTOR

NC - NO CONNECTION

- CONNECTOR DESIGNATION

3 - ALL CAPACITORS ARE pf. EXCEPT AS NOTEO.

4 - I.C. VOLTAGES, EXCEPT AS NOTEQ:

14 PIN DIP, PIN (7) GND: PIN (14) +54

16 PIN DIP. P(N (8) GND: PIN (16) +5V

24 FIN DIP, PIN (12) GND: PIN (24) +5V

->- GERMANIUM DIODE

IC - INTEGRATEO CIRCUIT SAT - SELECT AT TEST

80 8P6.

526-83 84 P5V84 TO

526-85

82 TWJJS*

86 CNG66 TG 526-86

() - IC PIN DESIGNATION

(Pt) - PRECISION RESISTORS LOOPPM 1/8H, ±1% METAL FILM

[583]

(7B3)

\$26-84

- DE COMPON

- SILICON DIQUE - ZENER DIODE

ADC* — SIGNAL NAME

[4A2] — SIGNAL SOURCE DRAWING LOCATION, OR

(4A2) — SIGNAL LOAD DRAWING LOCATION

TONE LOCATION

SHELT NUMBER

— P.C. BOARD -P.C. BOARD NAME TI.C. PIN

--- CONNECTOR PIN -P.C. BOARD NAME -I.C. LOCATION NUCLEAR DATA INC

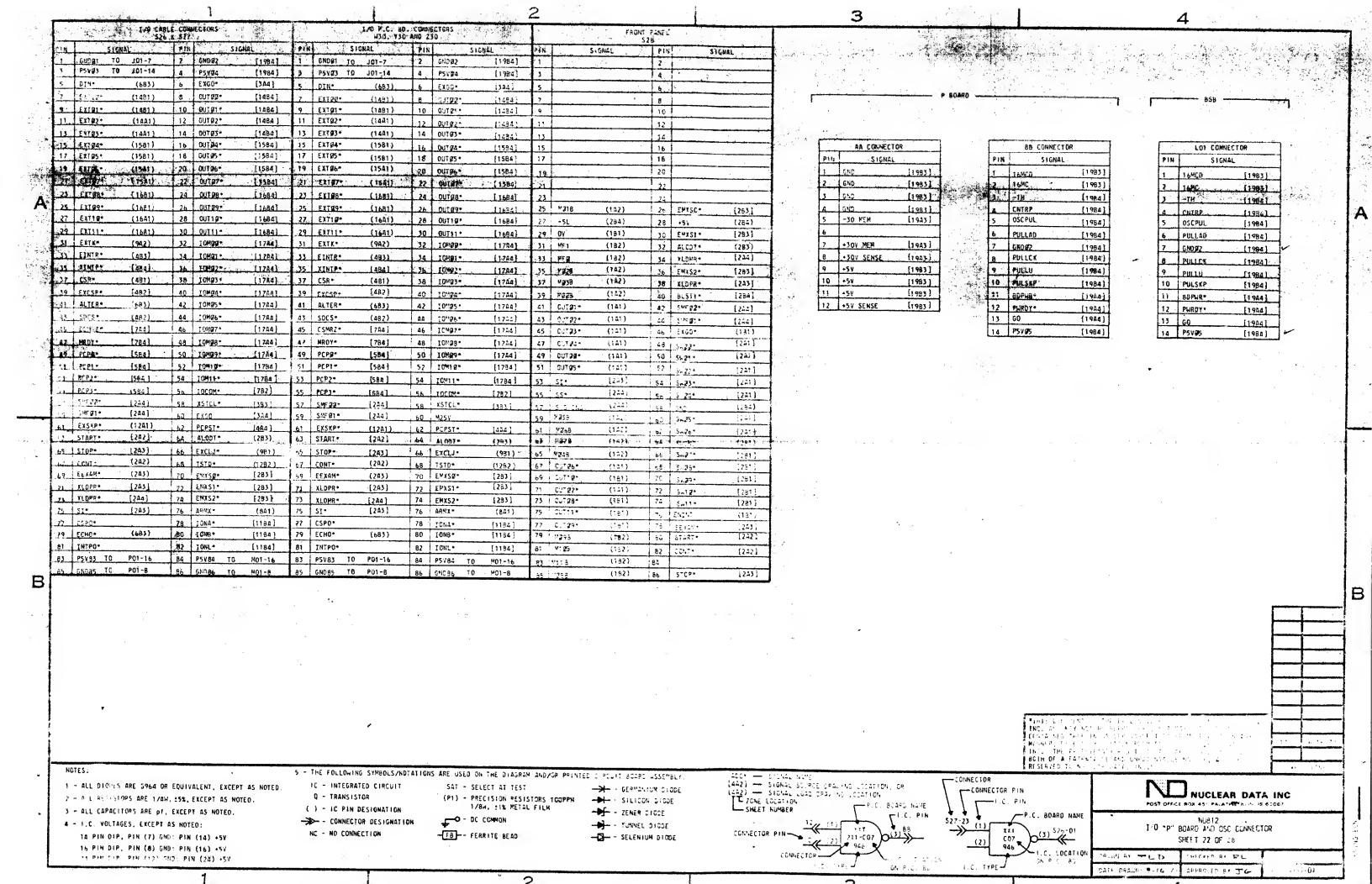
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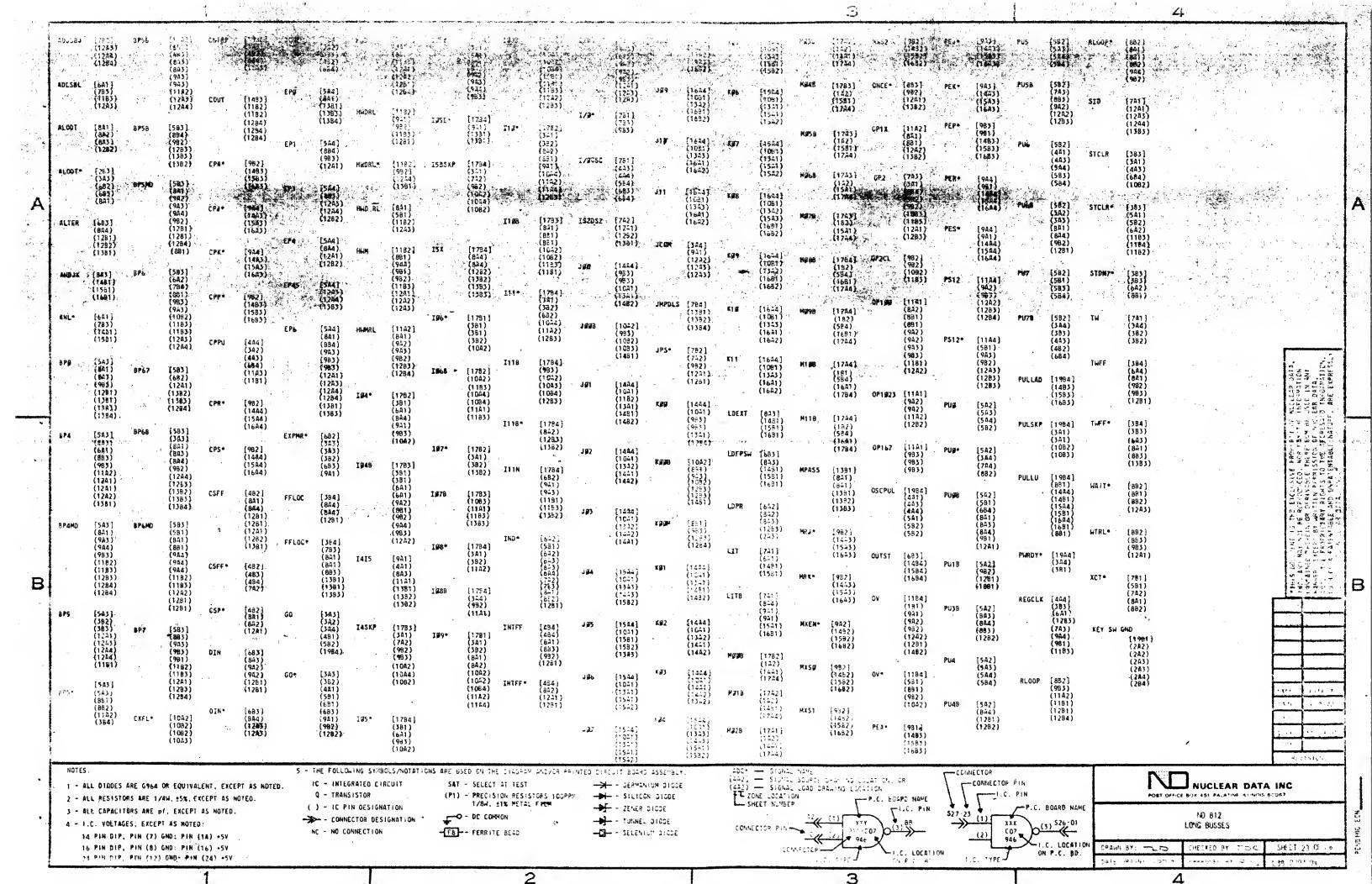
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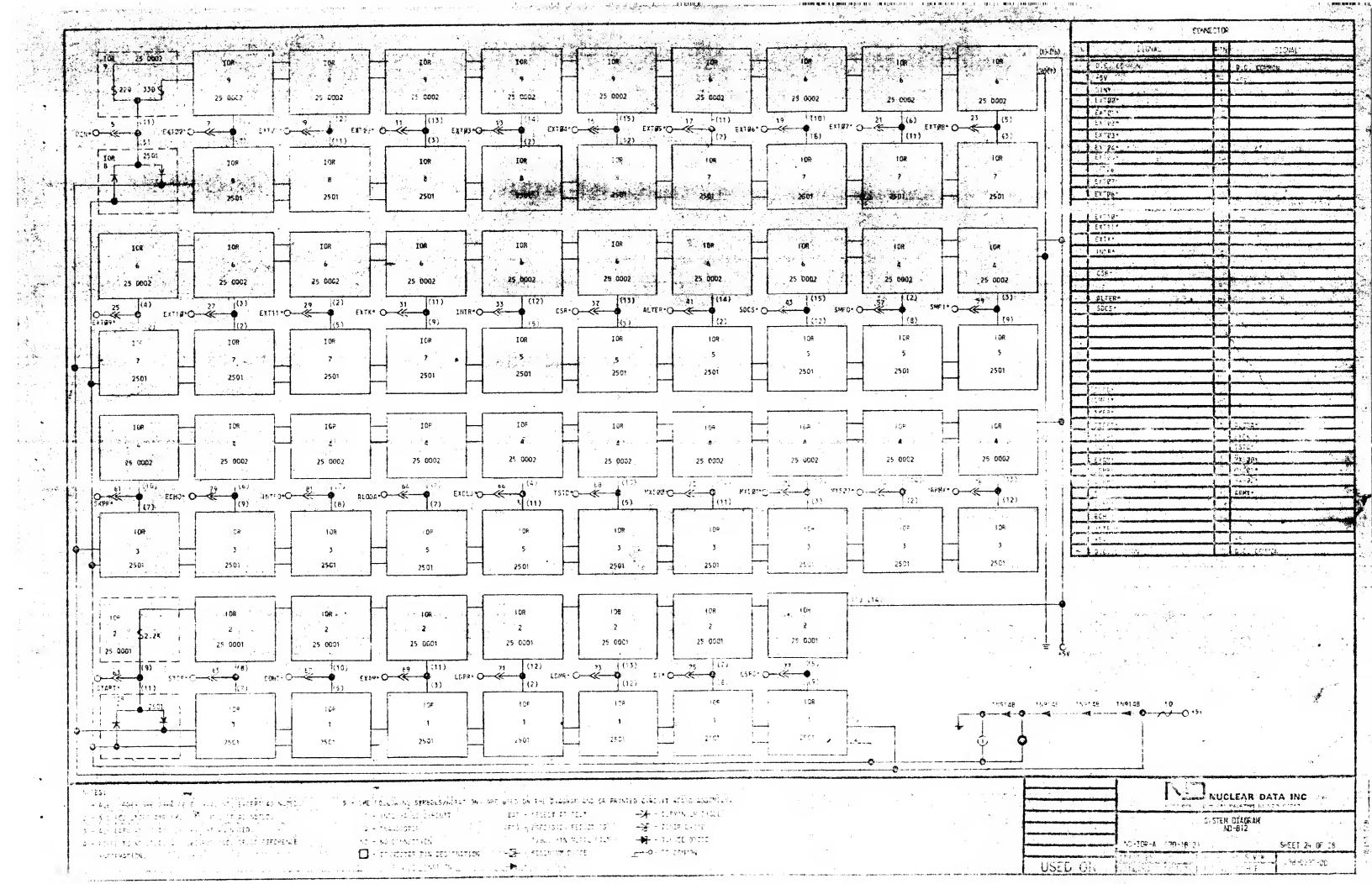
NO 812 MEMORY CONNECTORS SHEET 21 OF 28

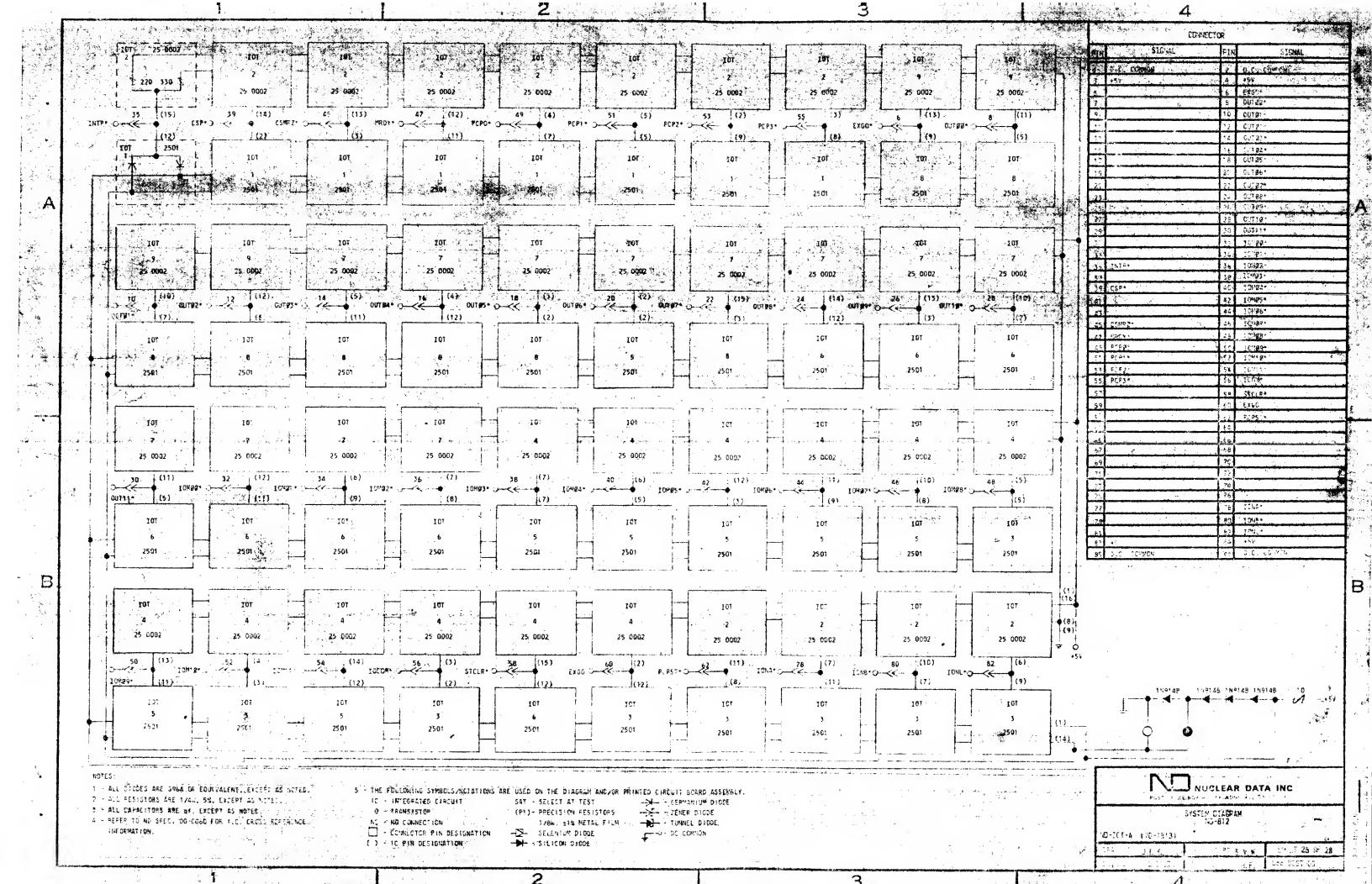
CHECKED BY: TPL DRAMM BY: T L. T DATE DRAWNING A APPRILLA BY J'C L88-0397-02

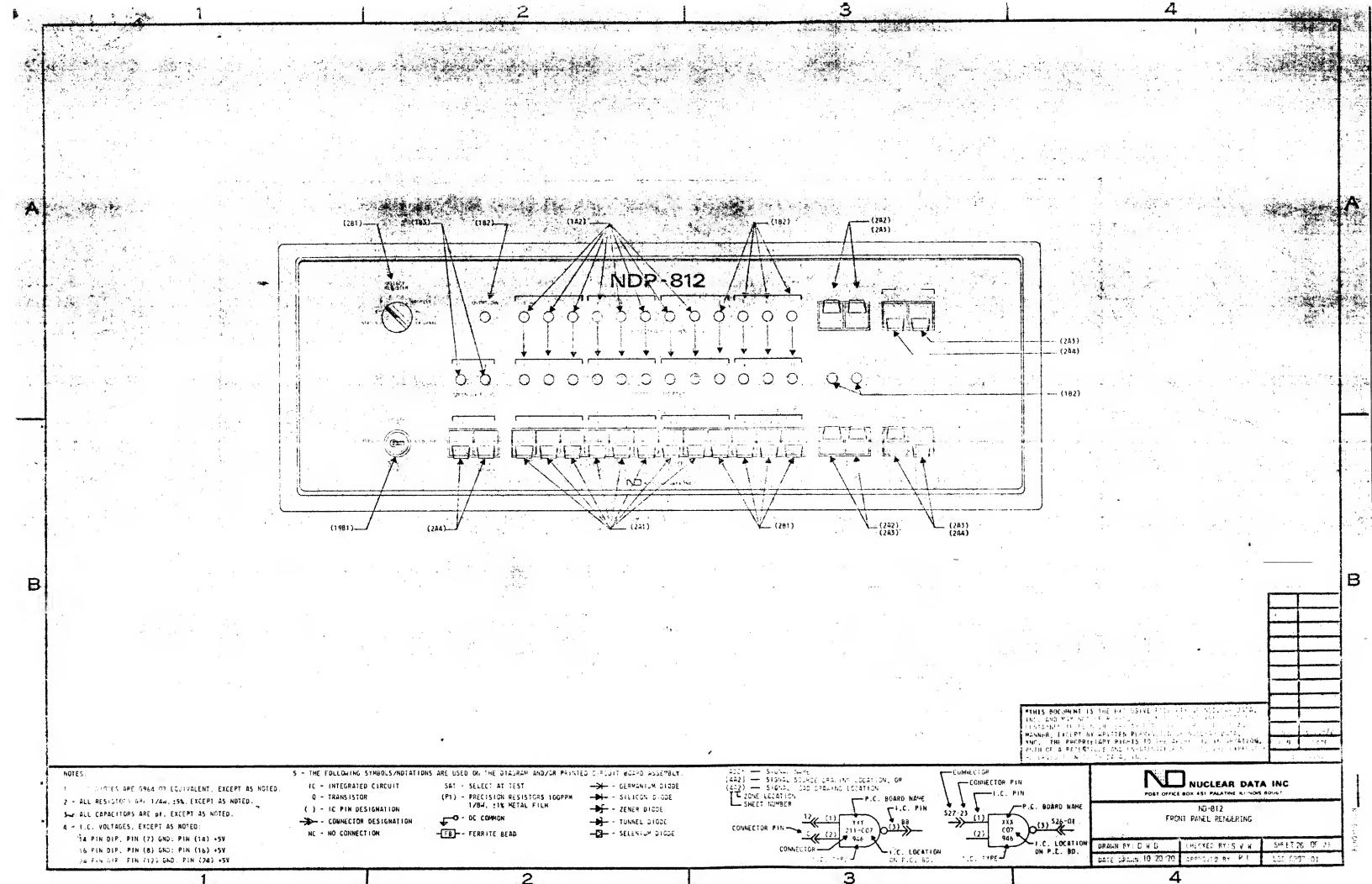
- TUNNEL DIODE CONNECTOR PIN--FB - FERRITE BEAD -D- - SELENIUM DIODE



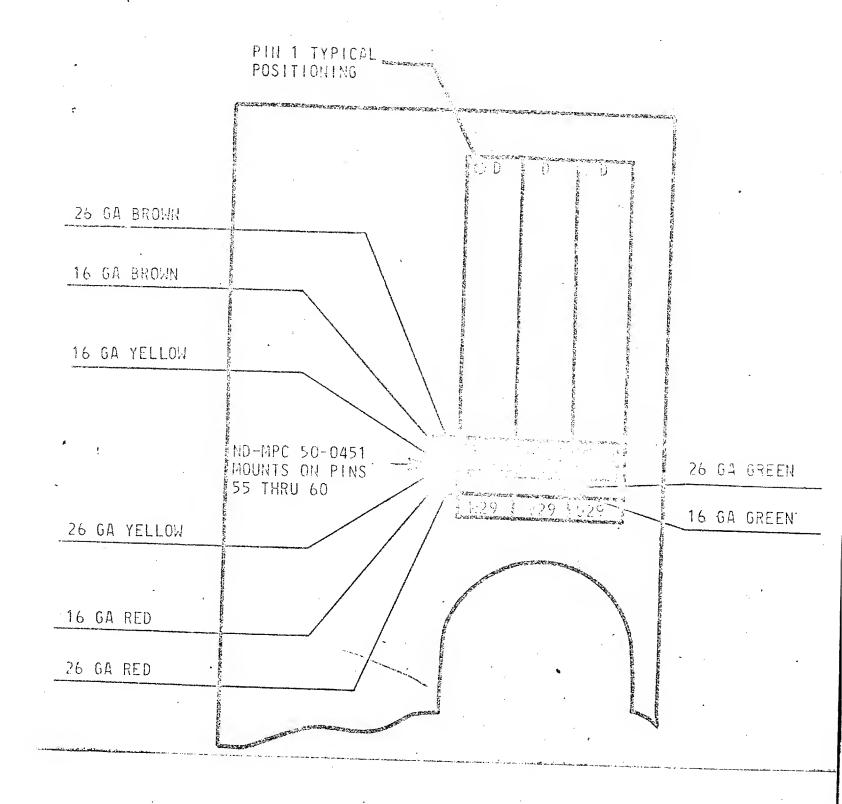








"D" DENOTES DOUBLE CONNECTOR



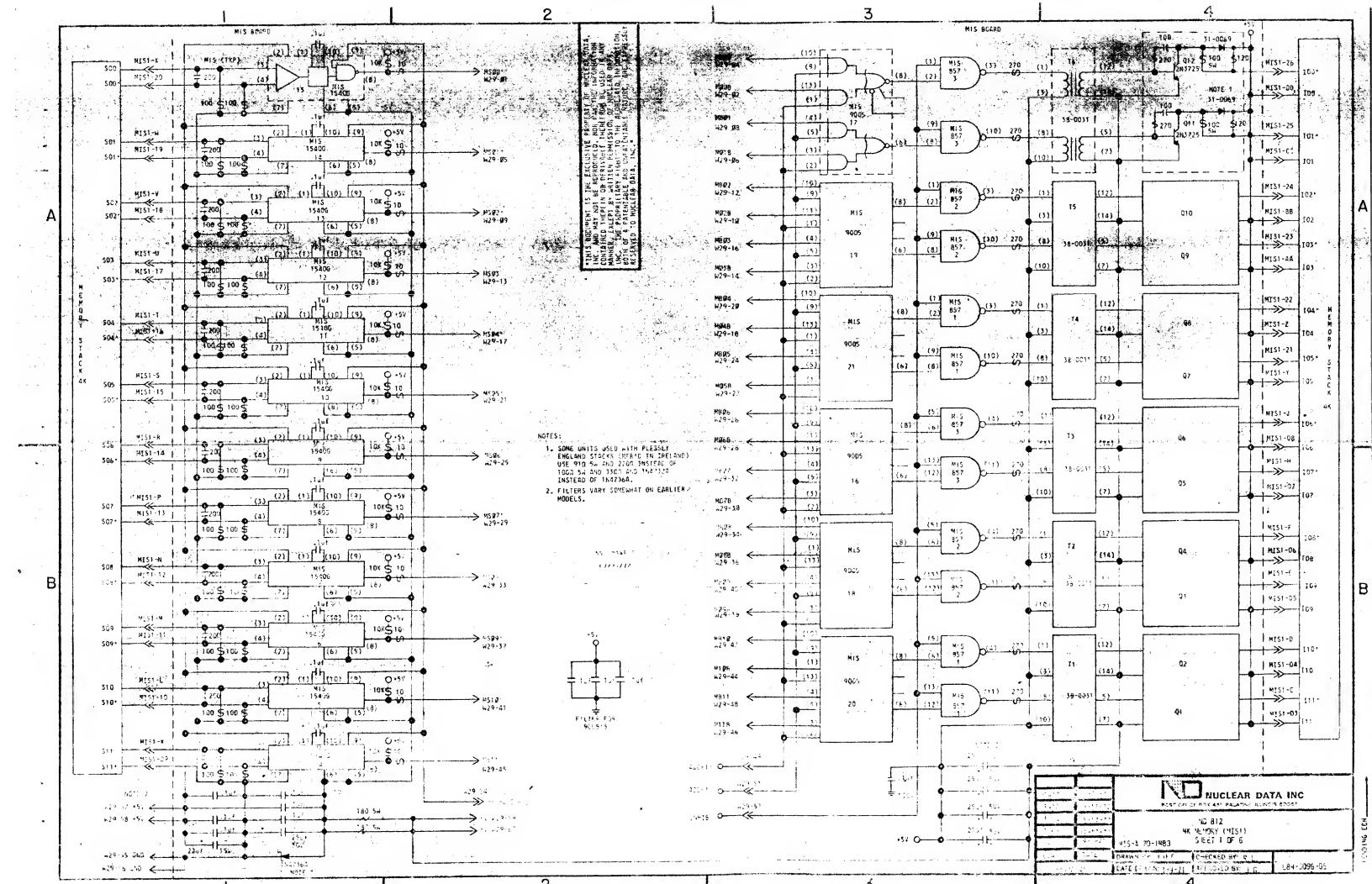
L88-0397-01 (SH 27)

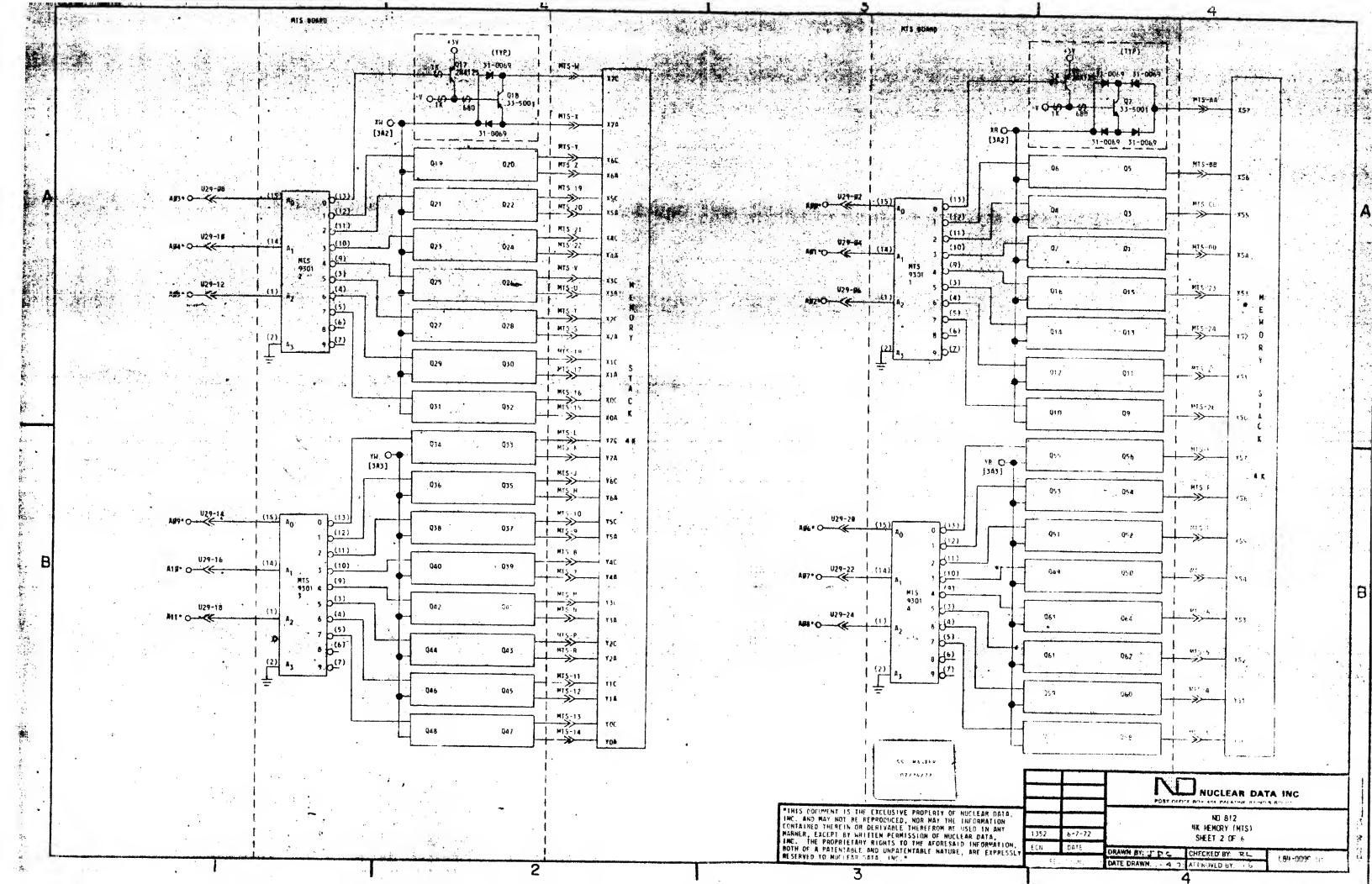
Figure 7-2. ND812, Bussing Diagram (Sheet 27 Of 28)

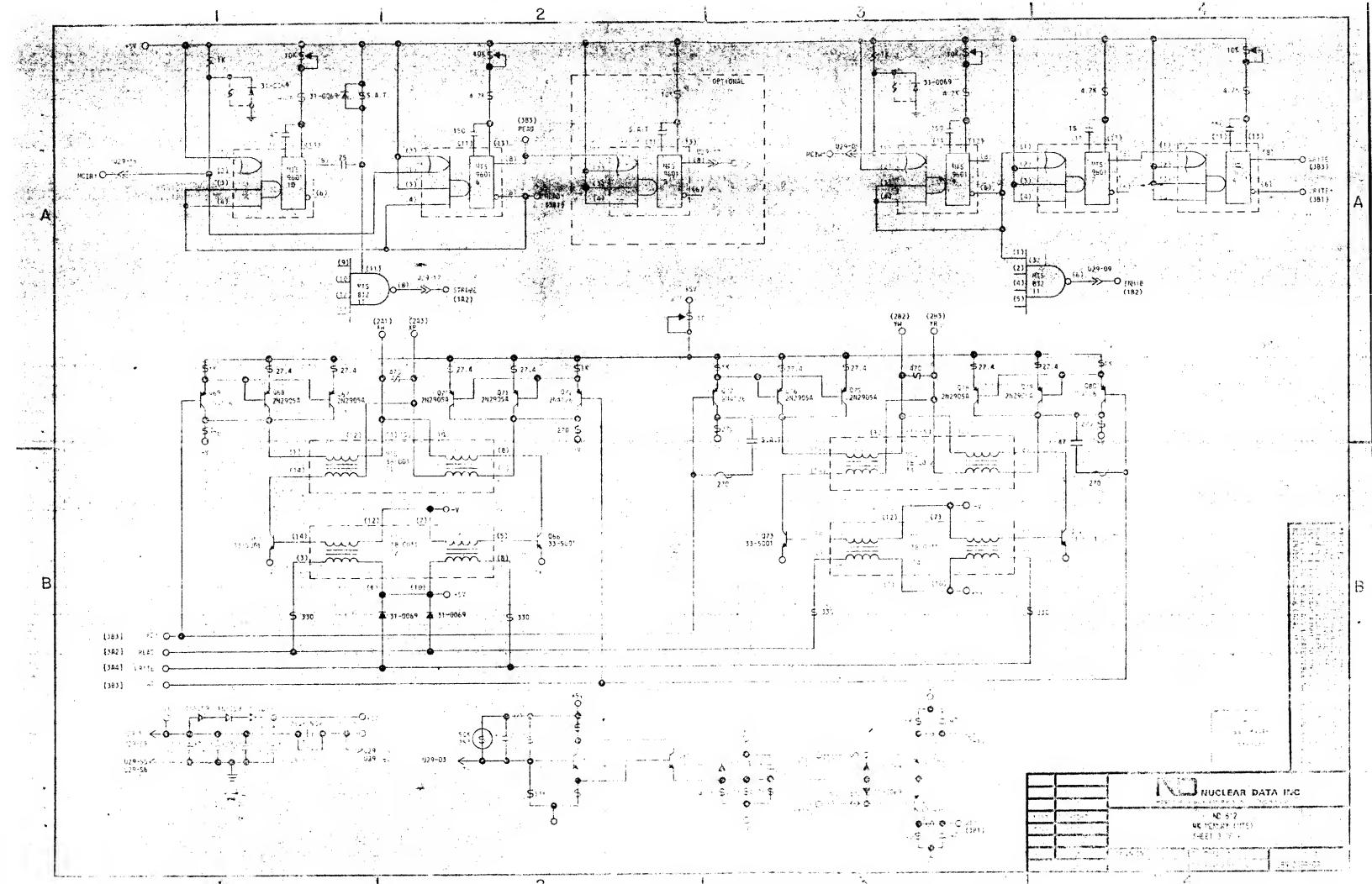
FIR VIEW

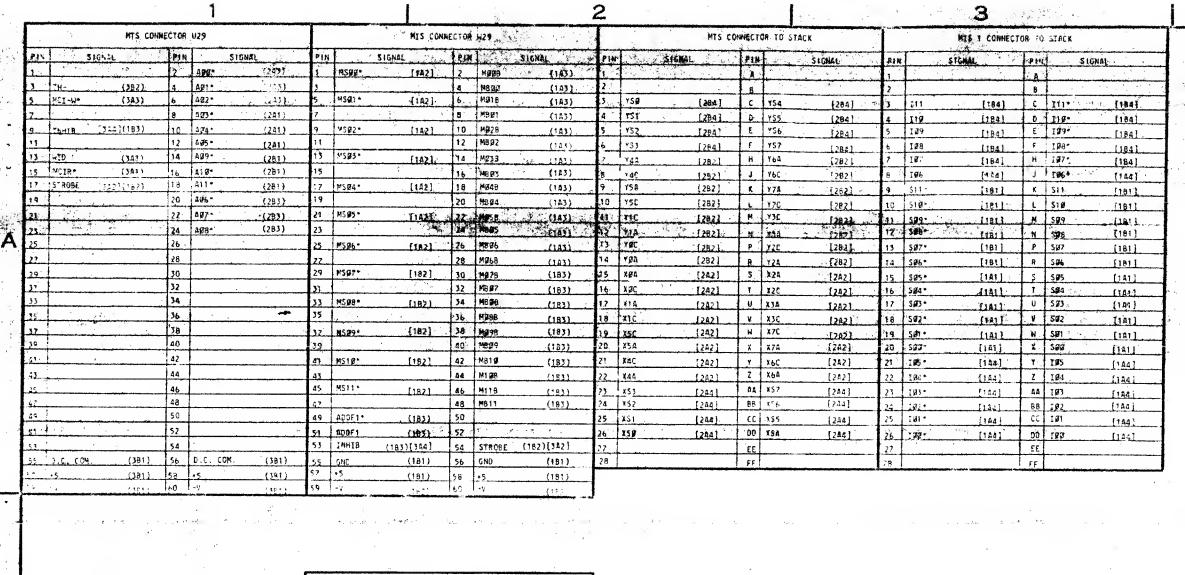
_L88-0397-00 (SH 28)

Figure 7-2. ND812, Bussing Diagram (Sheet 28 of 28)



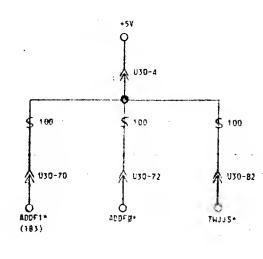






PIN		SIGNAL	PIN	SŦG	MAL
1	GND		2	GND	*********
3	+54		а	+57	(483)
67	GND		66	GND	
69	GNB		66	GNO	
83	+54		70	ADDF1*	(483)
85	GNO		72	ADDFO*	(483)
		······································	82	THUS.	(483)
		,	84	+5 Ÿ	
		·	86	GNO	
	·				

	····				·



-70 ·	U30-72	WJ15*						
			ST MENT OF	CONTAIN, C. THE				
- SIGN: ONE LOCAT	AL SOUPCE DRAWING LOCA AL LOAD DRAWING LOCA FOR	Cation, or Trion Trion -P.C. BOARD MARE	-connection -connection P			NUCLEAR DAT	A INC	Manage Programme D [*] 1 + 1
HEET NUMB ECTOR PIN	12/(1)	. 1 1	\$27-23 (1) X1X C07 946	* /- "]		NO-812 4K MEMORY CONNECTORS		
6(Set 3 -	ON P ST 80.	1.C. TYPE	I.C. LGCATHON ON P.C. BC.	DRAIN BY J D C	THEOREM HY SULL	574 FT 4 C	THE PARTY OF THE P

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. - ALL DICCES ARE G964 OR EQUIVALENT, EXCEPT AS MOTED.

MEE BIOSES AND UYBA ON EQUIVALENT, EXCEPT AS NO

2 - ALL RESISTERS ARE 1/44, 15%, EXCEPT 45 NOTED.

3 - ALL CAPADITORS ARE pt. EXCEPT AS NOTED. 4 - 1.C. VOLTAGES, EXCEPT AS NOTED:

14 PIN 21P, PIN (7) GND: PIN (14) +5V

16 PIN DIP. PIN (8) GND: PIN (16) +54 22 P N J P. P M (12) CND: PIN (24) +5. 5 - THE FOLLOWING SYMBOUS/NOTATIONS ARE USED ON THE DIADRAY AND/OR OF MISO CIPIL BLADS WICEWALL

IC - INTEGRATED CIRCUIT

Q - TRANSISTOR

() - IC PIN DESIGNATION

SAT - SELECT AT TEST

(P1) - PRECISION RESISTORS TOOPPM

1/84, 21% METAL FILM

-FB- FERRITE BEAD

-D- - TUNNEL DIGDE

30010 MULIARMAN - ---

---- - SILICON 0-00E

- ZENER DICCE

100 - (442) -

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FROM VIEW

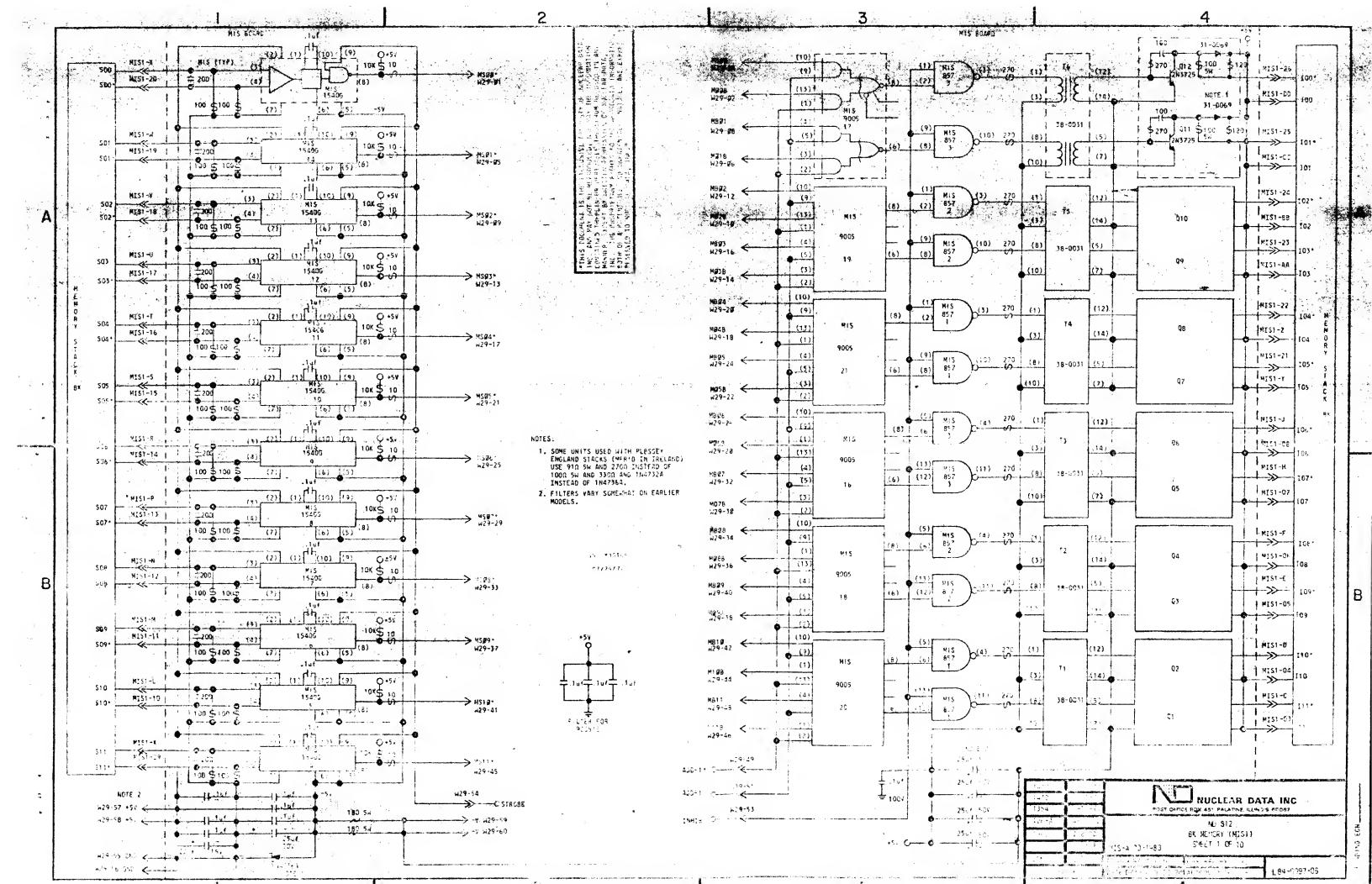
Figure 7-3. ND812 4K Memory, Loading Diagram (Sheet 5 of 6)

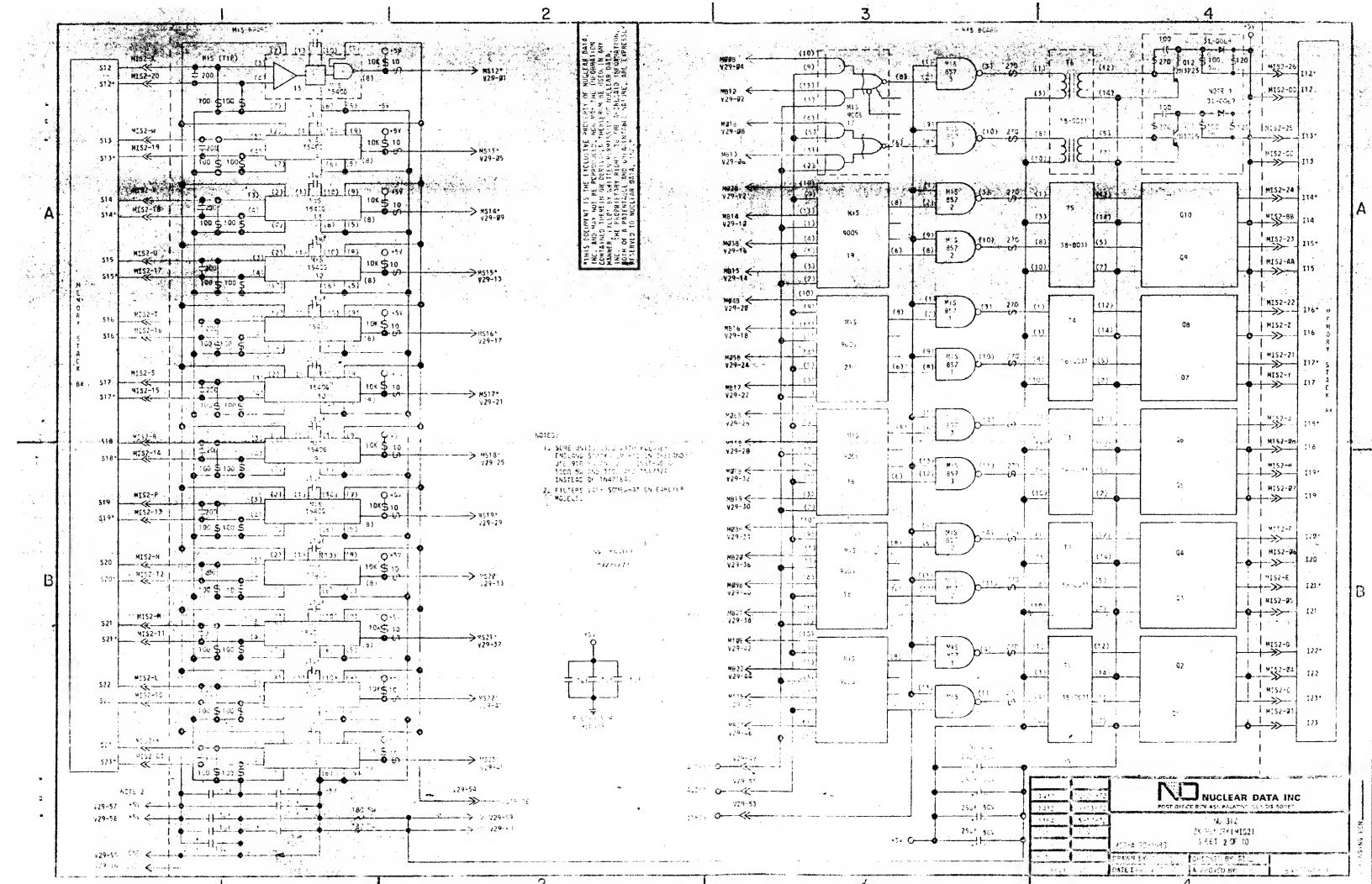
L84-0096-00 (SH 5)

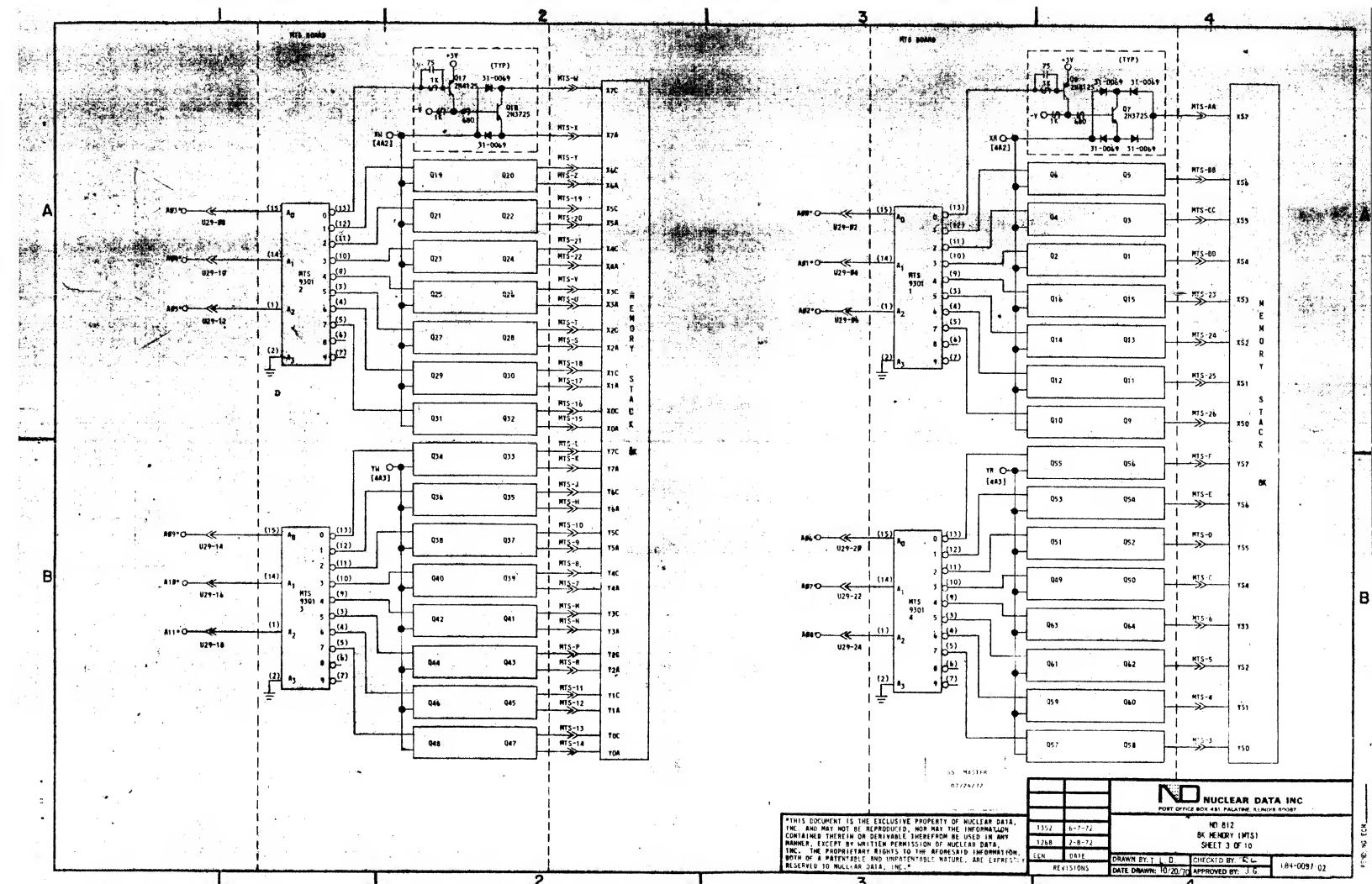
TCC -A 70-1703

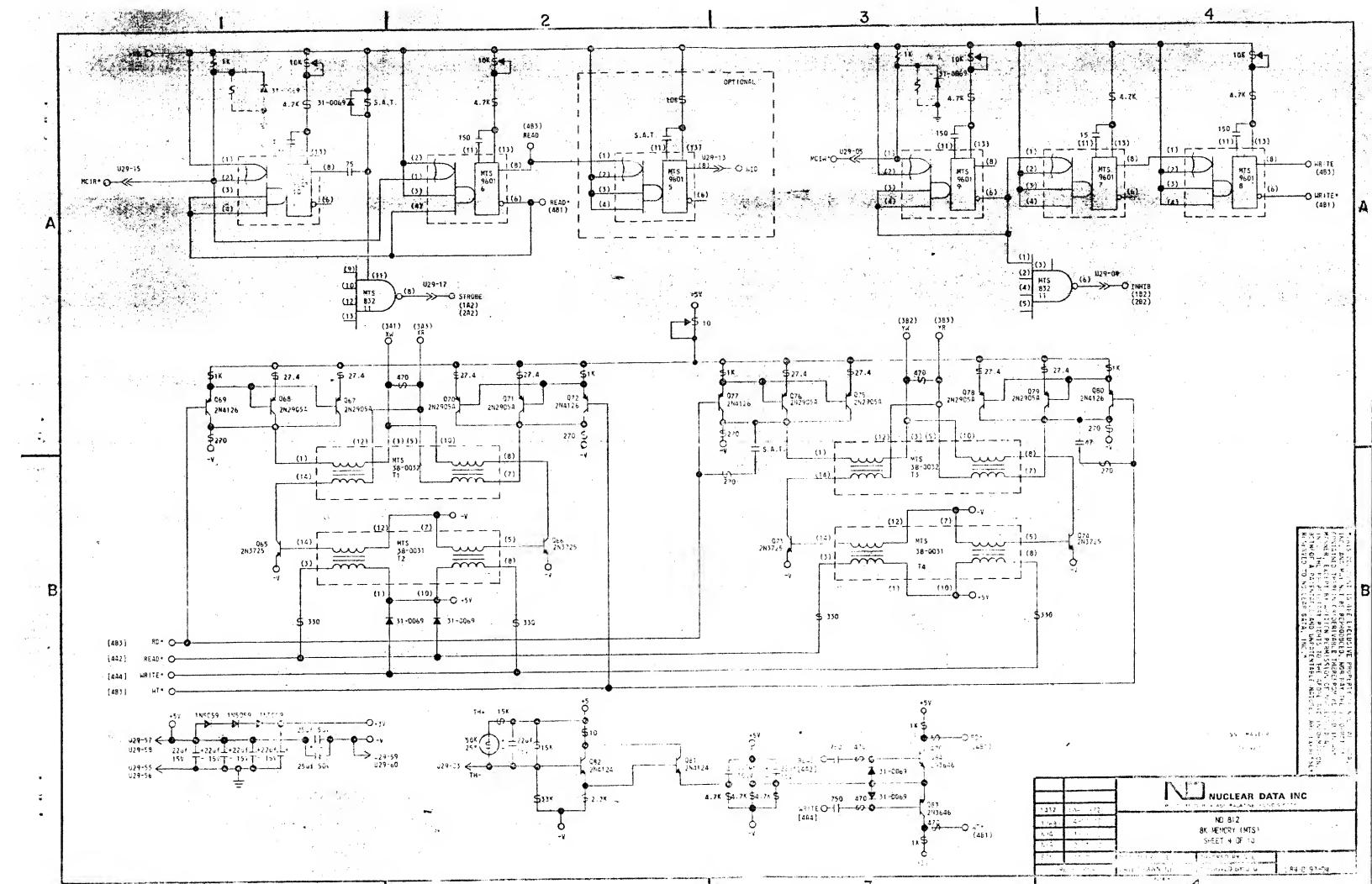
L84-0096-00 (SH 6)

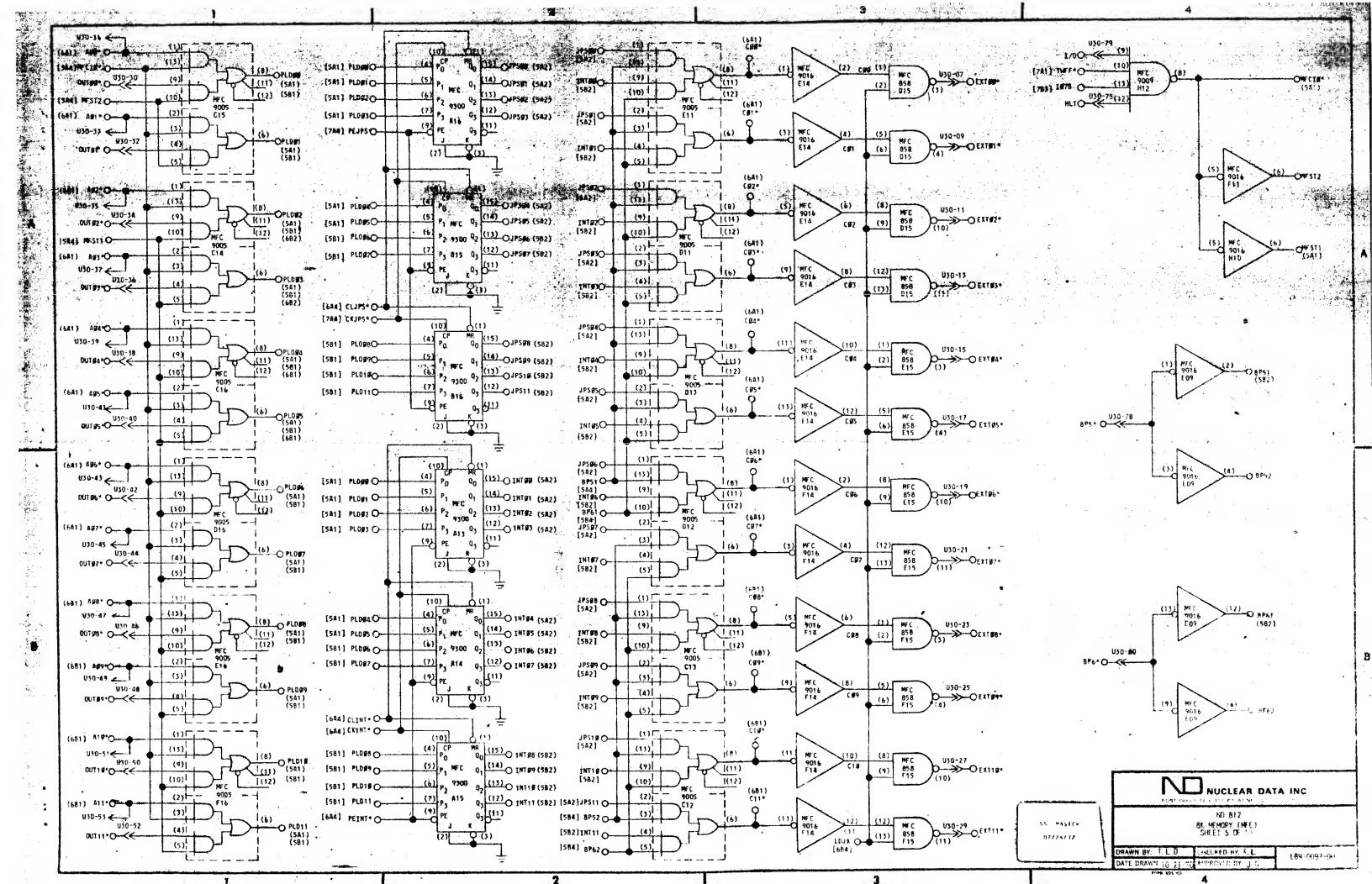
Figure 7-3. ND812 4K Memory, Loading Diagram (Sheet 6 of 6)

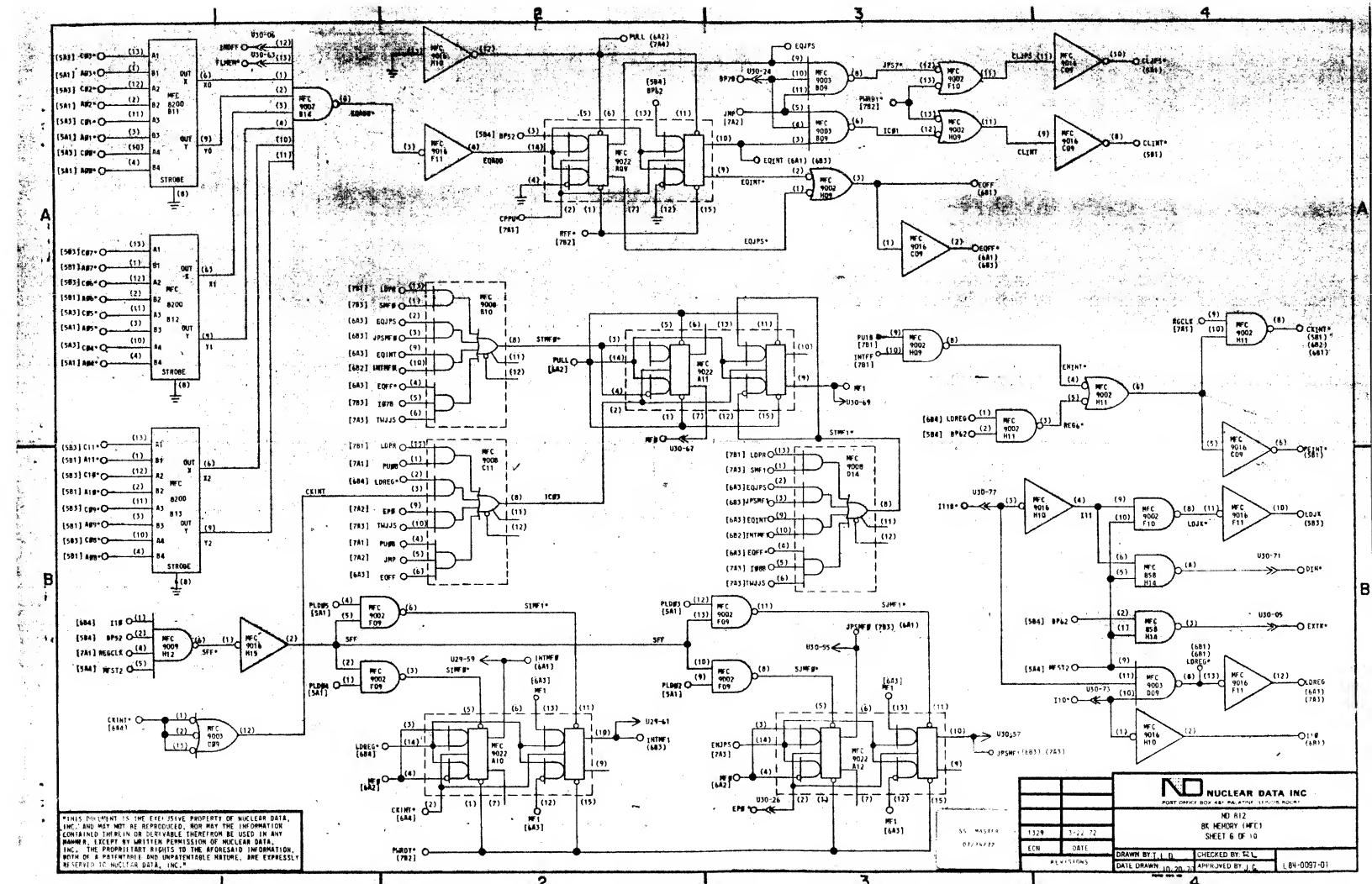


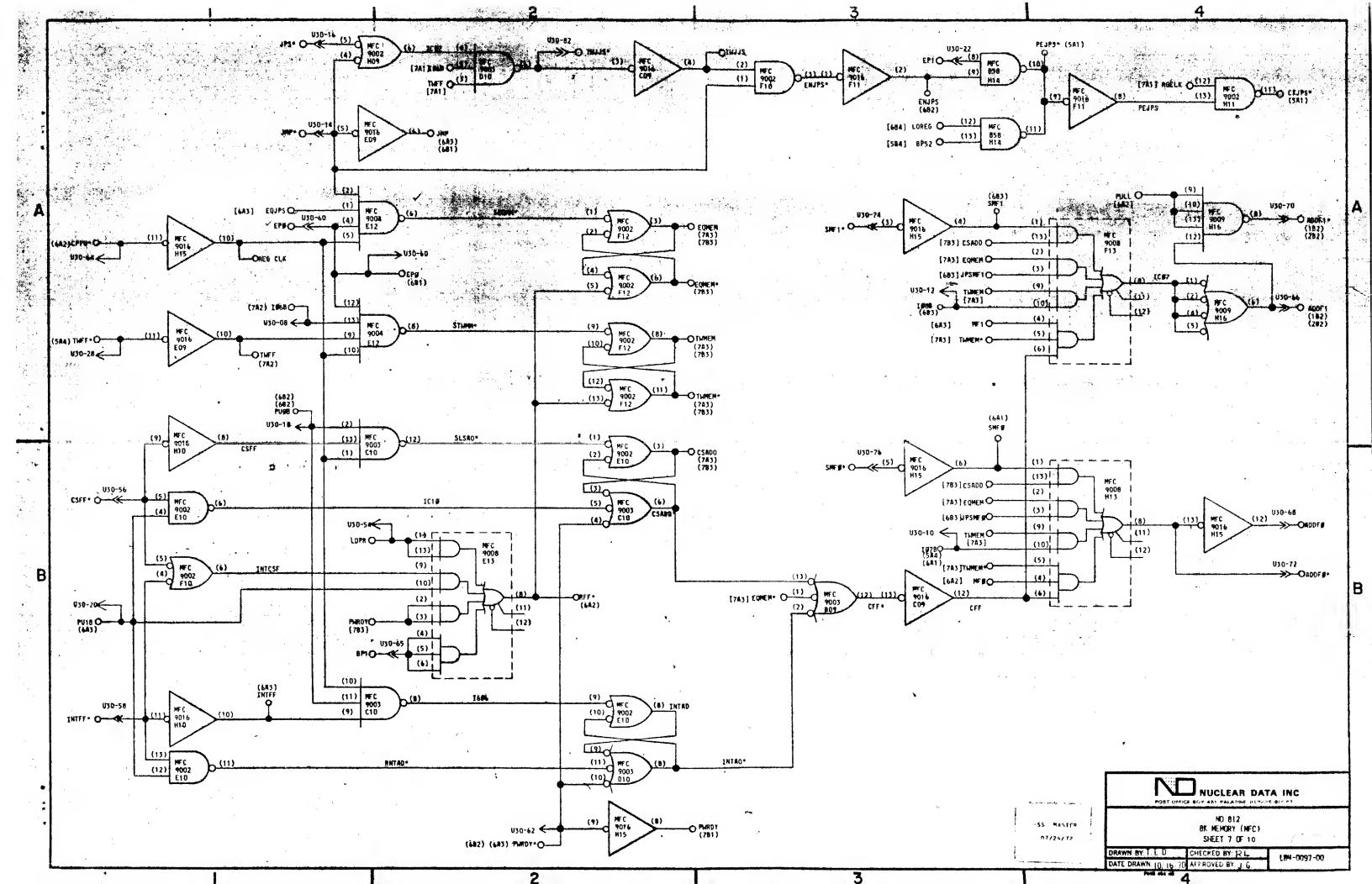


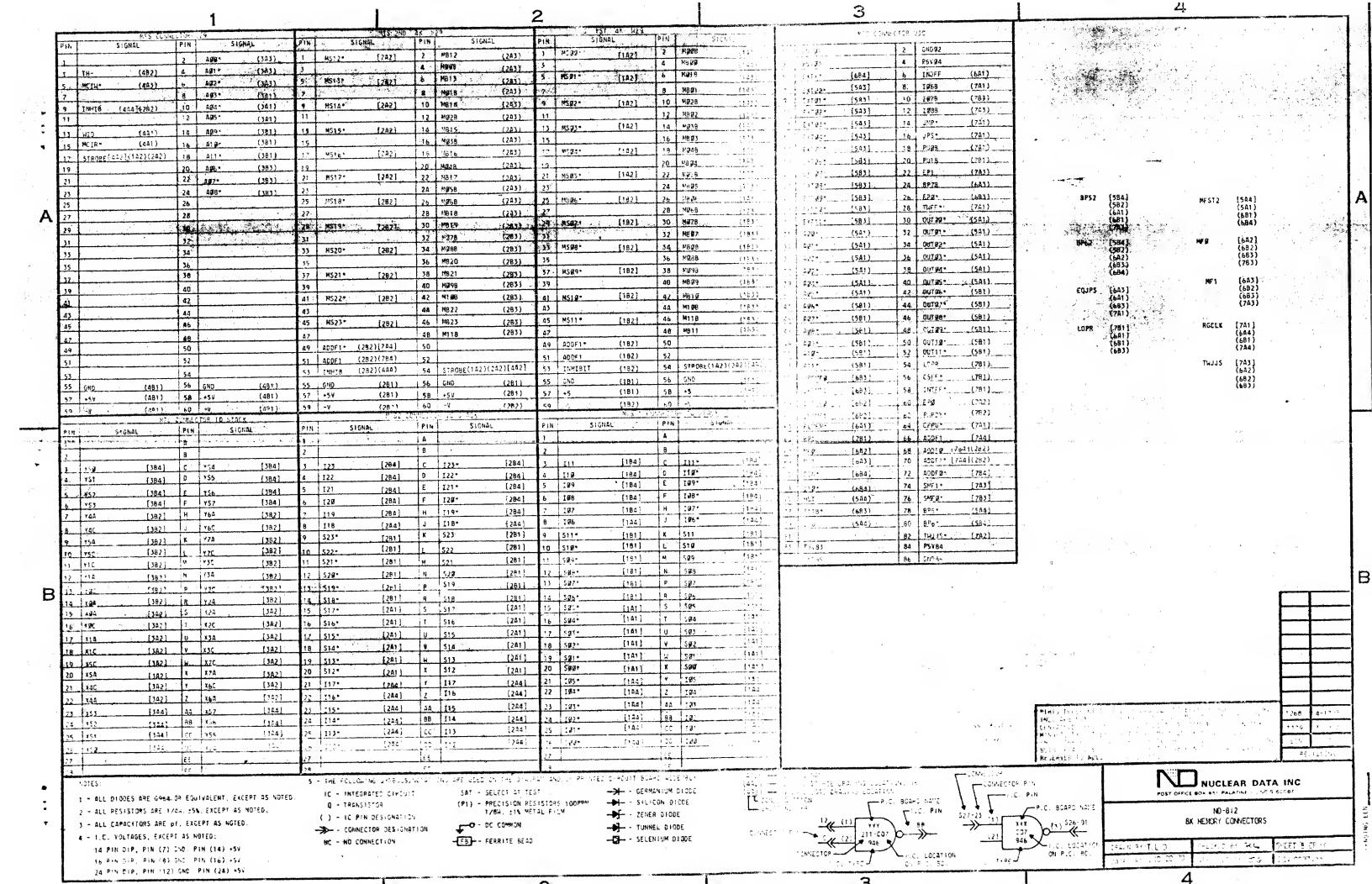




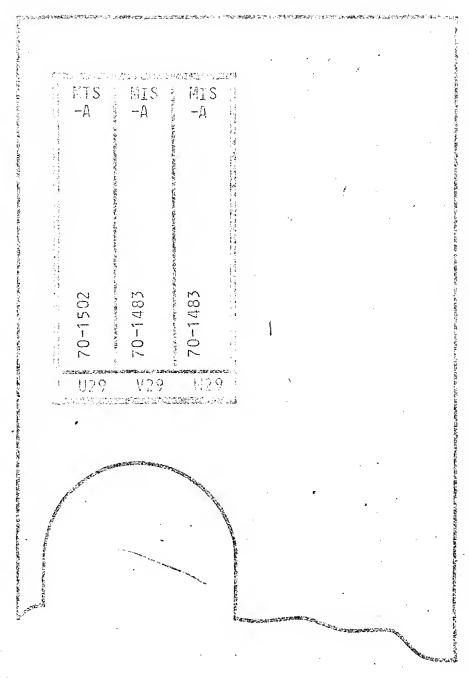








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L84-0097-00 (SH 9)

Figure 7-4. ND812 8K Memory, Loading Diagram (Sheet 9 of 10)

MFC -Д L84-0097-00 (SH 10)

Figure 7-4. ND812 8K Memory, Loading Diagram (Sheet 10 of 10)